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I hereby certify that, on the date shown below, this correspondence is being transmitted via the Patent Electronic Filing System (EFS) addressed to Examiner Marvich at the United States Patent and Trademark Office.

Date of Signature and Deposit: April 16, 2008

/Bennett J. Berson/

Bennett J. Berson

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Thomas P. Zwaka
James A. Thomson

Date: April 16, 2008

Serial No.: 10/774,122

Group Art Unit: 1633

Filed: 02/06/2004

Examiner: Maria Marvich

Title: DIRECTED GENETIC MODIFICATIONS
OF HUMAN STEM CELLS

File No.: 960296.99021

Confirmation No.: 8384

RESPONSE

Mail Stop Amendment
Commissioner for Patents
P O Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to a final Office Action dated October 17, 2007, applicants respond herewith as follows:

The **Listing of Claims** begins on page 2 of this paper.

Remarks begin on page 6 of this paper.